

Curriculum Vitae

Vasileios Anagnostopoulos, Ph.D.

Associate Professor
Department of Chemistry
University of Central Florida
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Orlando FL, 32816
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EDUCATION

Postdoctoral Training

Florida International University 2014-2017
Advisors: Dr. Yelena Katsenovich and Dr. David Kadko

University of Miami 2012-2013
Advisor: Dr. Claudia M. Diaz-Montero

Graduate Studies

Doctor of Philosophy in Chemistry (Radiochemistry) 2006-2011
Department of Chemistry, University of Patras (Greece)
Advisor: Dr. Basil D. Symeopoulos

Master of Science, Analytical Chemistry (Environmental Track) 2010-2012
Department of Chemistry, University of Patras (Greece)
Advisor: Dr. Basil D. Symeopoulos

Undergraduate Studies

Bachelor of Science, Chemistry 2000-2005
Department of Chemistry, University of Patras (Greece)
Advisor: Dr. Magdalini Soupioni

EMPLOYMENT

University of Central Florida 2024-present
Department of Chemistry, Orlando, Florida
Associate Professor with tenure

University of Central Florida 2018-2023
Department of Chemistry, Orlando, Florida
Assistant Professor

Florida Memorial University 2017-2017
Department of Natural Sciences, Miami Gardens, Florida
Adjunct Assistant Professor (Radiochemistry)

Florida International University 2014-2018
Applied Research Center, Miami, Florida
Postdoctoral Research Fellow

University of Miami 2012-2013
Sylvester Comprehensive Cancer Center, Miami, Florida
Postdoctoral Research Fellow

University of Patras (Greece) 2006-2011
Department of Chemistry, Patras, Greece
Graduate Research Assistant

University of A Coruña (Spain) 2009-2009
Department of Chemical Technology, A Coruña, Spain
Visiting Research Fellow

HONORS AND AWARDS

UCF Awards and Honors

- 2024 Reach for the Stars Award
- 2024 Research Incentive Award
- 2022 UCF Department of Chemistry “Service to the Department” Award

Awarded by faculty vote *“in recognition of outstanding performance in service to the department that is impactful to the university”*

- 2019 & 2022 Safety Champion
Award by the UCF Environmental Health and Safety (EHS) for faculty that *“upholds high safety standards in a research setting may take an active role on safety committees or lead by example among their peers”*
- 2022 and 2023 AIM HIGH Recognition
Recognition for *“faculty members who have made a difference at UCF to ensure our students get a quality education with affordable course materials through the affordable instructional materials (AIM) initiative”*

External Awards

- 2020 Reviewer Recognition by Elsevier Editorial Board
Recognition for the amount of high quality reviews performed for different academic journals of the largest publishing house, Elsevier.

RESEARCH & CREATIVE ACTIVITIES

Scientific Publications (Refereed)

Under UCF Affiliation

1. Stanberry J, Morgan K, Russell I, Ronchetti Z, Carroll T, **Anagnostopoulos V*** (2024). Oxidation and Mobilization of Tc-99 Reduced Phases by Mn(III)-Pyrophosphate Aqueous Complex Under Anoxic Conditions: Implications for Remediation of a Risk Driving Radionuclide. *ACS Earth and Space Chemistry*, (accepted) **Impact Factor: 3.5, 75% Percentile**
2. Szlamkowicz I, Stanberry J, Hager T, Hunley L, **Anagnostopoulos V*** (2024) The importance of filtration in technetium and iodine experiments. *Journal of Radioanalytical and Nuclear Chemistry* 333(10), 4837-4843 **Impact Factor: 1.6, 65% Percentile**
3. Ruiz-Garcia M, Stanberry J, Ballerini Ribeiro G, **Anagnostopoulos V***. (2024) Oxidative dissolution of Cr(OH)₃ and mixed Fe-Cr(III) phases by aqueous Mn (III)-pyrophosphate complex. *Journal of Environmental Sciences*, 139, 105-113 **Impact Factor: 6.9, 95% Percentile**
4. Ruiz-Garcia M, Richards M, Ballerini Ribeiro G, **Anagnostopoulos V***. (2024). PbO₂ reductive dissolution by dissolved Mn(III) in the presence of low molecular weight organic acids and humic acid *Environmental Science and Pollution Research* , 31(17), 18540-18548 **Impact Factor: 5.8, 83% Percentile**
5. Davidson E, Pereira J, Leon S, Navarro E, Kavalappara SR, **Murphy Z, Anagnostopoulos V**, Bag S, Santra S (2024). Chitosan coated selenium: A versatile nano-delivery system for molecular cargoes. *International Journal of Biological Macromolecules*, 267, 131176 **Impact Factor: 4.9, 80% Percentile**
6. Davidson E, Pereira J, Giannelli G, **Murphy Z, Anagnostopoulos V**, Santra S. (2024) Multi-functional chitosan nanovesicles loaded with bioactive manganese for potential wound healing applications *International Journal of Biological Molecules*, 267(2), 131176 **Impact Factor: 4.9, 80% Percentile**
7. Sadergaski LR, Andres HB, **Rai II D, Anagnostopoulos V**. (2024). Comparing Designed Training Sets to Optimize Multivariate Regression Models for Pr, Nd, and Nitric Acid Using Spectrophotometry. *Applied Spectroscopy Practica*, 2(1) **Impact Factor: 5.8, 83% Percentile**
8. Szlamkowicz I, Colon L, Hunley L, Carroll A, Pereira B, **Anagnostopoulos V*** (2023) Structural contributions of different birnessites on the redox transformations and proliferation of iodine *Chemosphere*, 339, 139631 **Impact Factor: 8.8, 97% Percentile**
9. Szlamkowicz I, Stanberry J, Lugo K, Murphy Z, Ruiz Garcia M, Hunley L, Qafoku N, **Anagnostopoulos V***. (2023) Role of Manganese Oxides in Controlling Subsurface Metals and Radionuclides Mobility: A Review *ACS Earth and Space Chemistry*, 7(1), 1-10 **Impact Factor: 3.5, 75% Percentile**

5. Hunley L, Snyder M, Szlamkowicz I, Stanberry J, **Anagnostopoulos V***. Sorption of U(VI) on MnO₂ in the presence of siderophore desferrioxamine B: mechanisms of a ternary system. (Under Review), *Water*
Impact Factor: 3.5, 75% Percentile
6. Szlamkowicz I, Hager T, Stanberry J, **Anagnostopoulos V***. Brief study on the importance of filtration in technetium and (radio)iodine experiments: how to avoid over- and underestimating values (Under Review), *Journal of Radioanalytical and Nuclear Chemistry* **Impact Factor: 1.6, 60% Percentile**
7. Szlamkowicz I, Fentress A, Stanberry J, Longen L, **Anagnostopoulos V***. (2022) Transformations and Speciation of Radioiodine in the Environment as a Result of Oxidation by Manganese Minerals. *ACS Earth and Space Chemistry*, 6(8), 1948-1956
Impact Factor: 3.5, 75% Percentile
8. Strickland K, Holland A, Trudeau A, Szlamkowicz I, Beazley M, **Anagnostopoulos V**, Graham D, Caranto J* (2022) Reduction of a Heme Cofactor Initiates N-Nitrotyrosine Degradation by NnIA *Applied and Environmental Microbiology* 88(16), e01023-22
Impact Factor: 4.4, 84% Percentile
9. Ma Z, Holland A, Szlamkowicz I, **Anagnostopoulos V**, Caldas Nogueira ML, Caranto JD, Davidson VL* (2022) The hemerythrin-like diiron protein from *Mycobacterium kansasii* is a nitric oxide peroxidase. *Journal of Biological Chemistry*, 298(3), 101696
Impact Factor: 5.5, 88% Percentile
10. Pilevar M, Hwang JH, Stanberry J, **Anagnostopoulos V**, Chumbimuni-Torres K, Lee WH* (2022) Bismuth-Chitosan Nanocomposite Sensors for Trace Level Detection of Ni (II) and Co (II) in Water Samples. *Water*, 14(3), 302-317
Impact Factor: 3.5, 75% Percentile
11. Stanberry J, Szlamkowicz I, Magno D, Shultz L, **Anagnostopoulos V*** (2021) Oxidative dissolution of TcO₂ by Mn(III) minerals under anaerobic conditions: Implications on technetium-99 remediation. *Applied Geochemistry*, 127, 104858
Impact Factor: 3.9, 75% Percentile
12. Stanberry J., Szlamkowicz I., Purdy L., **Anagnostopoulos V*** (2021) TcO₂ oxidative dissolution by birnessite under anaerobic conditions: a solid-solid redox reaction impacting the environmental mobility of Tc-99. *Environmental Science: Processes and Impacts* **Impact Factor: 5.5, 91% Percentile**
13. Hwang JH, Fox D, Stanberry J, **Anagnostopoulos V**, Zhai L, Lee WH*. (2021) Direct Mercury Detection in Landfill Leachate Using a Novel AuNP-Biopolymer Carbon Screen-Printed Electrode Sensor. *Micromachines*, 12(6), 649-663
Impact Factor: 3.5, 75% Percentile
14. Shultz L., Feit C., Stanberry J., Gao Z., Xie S., **Anagnostopoulos V.**, Liu F., Banerjee P., Jurca T* (2021). Ultra-Low loading ruthenium on alumina monoliths for facile, highly recyclable reduction of p-nitrophenol. *Catalysts*, 11(2), 165
Impact Factor: 3.9, 78% Percentile
15. **Anagnostopoulos V***, Katsenovich Y., Lee BD, Lee MH (2020). Biotic dissolution of autunite under anaerobic conditions: effect of bicarbonates and *Shewanella oneidensis* MR1 microbial activity. *Environmental Geochemistry and Health*, 42(8), 2547-2566
Impact Factor: 4.2, 91% Percentile
16. Morozov AN, Govor EV, **Anagnostopoulos V**, Kavallieratos K, Mebel AM* (2018). Coordination of Sm(III) and Am(III) to the 1,3,5-Tris-(4-(iso-propyl)-phenylsulfamoylmethyl)benzene Ligand: An Experimental and Theoretical Study. *Molecular Physics*, 116(19-20), 2719-2727
Impact Factor: 1.9, 52% Percentile

Under previous affiliations

17. Gonzalez-Raymat H, [Anagnostopoulos V](#), Katsenovich Y*, Denham M. (2018). Unrefined humic substances as a potential low-cost amendment for the management of acidic groundwater contamination. *Journal of Environmental Management*, 212, 210-218
Impact Factor: 8.7, 96% Percentile
19. [Anagnostopoulos V](#), Katsenovich Y*, Denham M (2017). Sodium silicate treatment for the attenuation of U(VI) in acidic groundwater plumes. *Journal of Chemical Technology and Biotechnology*, 92(8), 1919-1927
Impact Factor: 3.4, 81% Percentile
20. Anastopoulos I*, [Anagnostopoulos V](#), Bhatnagar A., Mitropoulos CA., Kyzas GZ. (2017). A review for chromium removal by carbon nanotubes. *Chemistry and Ecology* 33 (6), 1-17
Impact Factor: 2.4, 75% Percentile
21. [Anagnostopoulos V.](#), Koutsoukos PG., Symeopoulos BD* (2015) Removal of U(VI) from aquatic systems, using winery by-products as biosorbents: equilibrium, kinetic and speciation studies. *Water, Air and Soil Pollution* 226 (4), 107-113
Impact Factor: 2.9, 61% Percentile
22. [Anagnostopoulos V](#), Bourikas K., Bekatorou A., Symeopoulos BD* (2015). Biosorption of U(VI) from aqueous systems by malt spent rootlets. Kinetic, equilibrium and speciation studies. *International Journal of Environmental Science and Technology*, 13, 285-296
Impact Factor: 3.1, 88% Percentile
23. [Anagnostopoulos V](#), Vlachou A., Symeopoulos BD* (2015). Immobilization of *Saccharomyces cerevisiae* on low-cost lignocellulosic substrate for the removal of Cd(II) from aquatic systems. *Journal of Environment & Biotechnology Research*, 1(1), 23-29
24. [Anagnostopoulos V](#), Symeopoulos BD* (2014). Significance of age, temperature and aeration of yeast cell culture for the biosorption of europium from aquatic systems. *Desalination and Water Treatment*, 57(9), 3957-3963
Impact Factor: 1.5, 52% Percentile
25. [Anagnostopoulos V](#), Symeopoulos BD* (2013). Sorption of europium by Malt Spent Rootlets, a low cost biosorbent: effect of pH, kinetics and equilibrium. *Journal of Radioanalytical and Nuclear Chemistry* 295 (1), 1-7
Impact Factor: 1.6, 60% Percentile
26. Díaz-Montero CM, Abdel-Aziz Z, Pallin MF, [Anagnostopoulos V.](#), Salem ML, Wieder E, Komanduri K, Montero AJ, Lichtenheld MG* (2013). Understanding the biology of ex vivo-expanded CD8 T cells for adoptive cell therapy: role of CD62L. *Immunologic Research*, 57(1-3), 23-33
Impact Factor: 4.4, 55% Percentile
27. [Anagnostopoulos V](#), Manariotis ID., Karapanagioti HK* (2012). Removal of mercury from aqueous solutions by Malt Spent Rootlets. *Chemical Engineering Journal* 213, 135-141
Impact Factor: 15.1, 97% Percentile
28. [Anagnostopoulos V](#), Bekatorou A., Symeopoulos BD* (2011). Contribution to interpretation of metal uptake dependence upon the growth phase of microorganisms. The case of U(VI) uptake by common yeasts, cultivated at different temperatures, with or without aeration. *Journal of Radioanalytical and Nuclear Chemistry* 287 (2), 665-671
Impact Factor: 1.6, 60% Percentile
29. Carro L., [Anagnostopoulos V](#), Lodeiro P., Barriada JL., Herrero R., Sastre de Vicente ME* (2010). A dynamic proof of mercury elimination from solution through a combined sorption reduction process. *Bioresource Technology* 101 (23), 8969-8974
Impact Factor: 11.4, 97% Percentile
30. [Anagnostopoulos V](#), Soupioni MJ., Symeopoulos BD* (2010) Effect of growth conditions on

biosorption of cadmium and copper by yeast cells. *Global Network of Environmental Science and Technology Journal* 12(3), 288-295

Peer-Reviewed Conference Papers

1. [Anagnostopoulos V.](#), Symeopoulos BD. (2008). A preliminary study of europium uptake by yeast cells. The case of *Kluyveromyces marxianus*. American Institute of Physics, pp 203

Invited Seminar Speaker

1. **2024 University of Missouri Invited Speaker Chemistry Seminar Series**, “Radiochemistry at the University of Central Florida: Exploring Frontiers in Nuclear Fuel Disposal, Nuclear Forensics and Environmental Chemistry”, University of Missouri, Columbia, MO

2. **2024 Frontiers of Energy Science Seminar Series – Idaho National Laboratory**, “Radiochemistry at the University of Central Florida: Nuclear Fuel Disposal, Environmental Radiochemistry, Nuclear Forensics and many other “exotic” disciplines”, Idaho National Laboratory, Idaho Falls, ID

3. **2024 Glenn Seaborg Institute Seminar Series**, “Synthesis of Nuclear Explosion Debris and actinide chemistry at the University of Central Florida”, Lawrence Livermore National Laboratory, Livermore, CA

4. **2021, 2022 & 2023 American Chemical Society – Department of Energy Nuclear Chemistry Summer School**, “Nuclear Science at the University of Central Florida: where Radiochemistry & Environmental Chemistry Collide”, Brookhaven National Laboratory, Long Island, NY

5. **2022 University of Patras Department of Chemistry Analytical Chemistry Seminar Series** “Addressing nuclear legacy contamination in the United States: overview of the environmental and analytical challenges in the largest environmental cleanup program in the world”, Patras, Greece

6. **2022 UCF College of Engineering and Computer Science Invited Seminar – Faculty Research Talks Series**, “Insights in the Interdisciplinary Field of Radiochemistry: Environment, Materials and Nuclear Forensics”, Orlando, FL

7. **2021 Western Michigan University Department of Chemistry Lecture Series**

“Geochemical controls of manganese oxides in the mobility of anionic contaminants in the environment: the case of iodine and technetium”, Kalamazoo, MI

8. **2021 Florida International University Department of Chemistry and Biochemistry Seminar Series** “Manganese oxides: Redox active minerals responsible for the proliferation of technetium and iodine in the environment”, Miami, FL

Scientific Journal Editor Invitations

- **Guest Editor after invitation** of the Special Issue “Source, occurrence, pathway and fate of heavy metals in the water environment”, *Water* (75% percentile)
- **Guest Editor after invitation** of the Special Issue “Advances in the Mineralogy, Geochemistry, and Environmental Science of Uranium”, *Minerals* (70% percentile)

Conference Presentations (Invited)

The author order follows the same protocol as in scientific publications. In blue are members of my group and the asterisk denotes the presenter.

Under UCF Affiliation

1. **Anagnostopoulos V***, “Nuclear forensics, Radioanalytical and environmental radiochemistry: The many flavors of nuclear chemistry at the University of Central Florida”. 2024 Spring American Chemical Society Meeting, New Orleans, LA
2. **Szlamkowicz I, Stanberry J, Anagnostopoulos V*** Harnessing the power of tandem chromatography-plasma spectroscopy for the speciation of fission by-products in the environment. 2024 Winter Conference in Plasma Chemistry, Tucson AZ
3. **Stanberry J, Szlamkowicz I, Grabe A, Anagnostopoulos V*** Manganese oxide geochemical controls over Tc-99 fate in the environment: TcO₂ oxidative dissolution. 2019 Southeast Regional American Chemical Society Meeting (SERMACS), Savannah GA
2. **Stanberry J, Anagnostopoulos V*** Tc₂S₇ as a potential immobilization form for ⁹⁹Tc in the environment: stability and dissolution studies. 2019 Florida American Chemical Society Meeting, Palm Harbor FL
3. **Anagnostopoulos V*** Environmental radiochemistry at the University of Central Florida: Biogeochemical transformations of radionuclides in the environment. 2018 Fall American Chemical Society Meeting, Boston, MA

Conference Oral Presentations (Contributed)

Under UCF Affiliation

1. **Rai D, Burns A, Ronchetti Z, Anagnostopoulos V.** Surrogate nuclear explosive debris synthesis utilizing a CW CO₂ laser. ACS, Fall 2024, Denver, CO
2. **Murphy Z, Cohen R, Rai D, Munoz C, Anagnostopoulos V.** Studies on the stability of studdite in the presence of ligands commonly found in nuclear waste. 2024 Goldschmidt Conference, Chicago, IL
3. **Szlamkowicz I*, Carroll A, Ballerini G, Anagnostopoulos V.** Redox interface chemistry and proliferation of fission products in the environment at trace levels. ACS, Spring 2024, New Orleans, LA
4. **Szlamkowicz I*, Fentress A, Longen L, Stanberry J, Anagnostopoulos V.** Transformations and Speciation of Iodine in the Environment as a Result of Oxidation by Manganese Minerals, Winter 2023 American Nuclear Society Meeting, Washington DC
5. **Stanberry J, Ronchetti Z*, Carroll T, Anagnostopoulos V.** Oxidative Dissolution of Tc-99 by Aqueous Mn(III) Under Anoxic Conditions: Redox Mediated Mobilization of a Risk Driving Radionuclide. ACS, Spring 2023, Indianapolis, IN
6. **Anagnostopoulos V*, Snyder ML, Lugo K, Stanberry J, Szlamkowicz I.** Environmental fate of actinide-siderophore complexes: The case of desferrioxamine B-actinide-manganese oxide ternary system. Fall 2022, ACS Meeting and Exposition, Chicago, IL

7. Stanberry J*, Morgan K, Russell I, **Anagnostopoulos V**. The Proliferation of Tc-99 as affected by Ferrous Reductants and Manganous Oxidants: A Battle of Oxidations States. Fall 2022, ACS Meeting and Exposition, Chicago, IL
8. Ruiz Garcia M*, Stanberry J, Ballerini Ribeiro Gomes G, **Anagnostopoulos V**. Cr(OH)₃ oxidative dissolution to aqueous Cr(VI) by Mn(III)-pyrophosphate complex. Fall 2022, ACS Meeting and Exposition, Chicago, IL
9. Murphy Z*, Rai D, Cohen R, Stanberry J, **Anagnostopoulos V**. Effect of ligands on the stability of studdite (UO₂O₂·4H₂O) under repository and environmental conditions. Fall 2022, ACS Meeting and Exposition, Chicago, IL.
10. Szlamkowicz I*, Colon Roman L., Pereira B., Hunley L., Stanberry J., **Anagnostopoulos V**. Manganese oxides as geochemical regulators of the fate and transport in the environment. Fall 2022, ACS Meeting and Exposition, Chicago, IL.
11. Szlamkowicz I *, Fentress A, Longen L, **Anagnostopoulos V**. Radio-iodine transformations and speciation in the environment as a result of oxidation by manganese minerals: Challenges in iodine fate and transport prediction. Spring 2022, ACS Meeting and Exposition, San Diego, CA
12. Szlamkowicz I*, Fentress A, Longen L, **Anagnostopoulos V**. Comparative study of redox transformations and environmental fate of iodine as influenced by manganese oxides at high and low concentrations. 2021 RemPlex Summit, Richland, WA
13. **Anagnostopoulos V***, Technetium Proliferation Under Anoxic Conditions by Manganese Oxides: the Case of Solid-solid Interactions. 2021 RemPlex Summit, Richland, WA
14. Snyder ML,* Hager T, **Anagnostopoulos V**. Environmental fate of actinide-siderophore complexes: desferrioxamine B promoted sorption of U(VI) on manganese minerals. Spring 2021 American Chemical Society Meeting, San Antonio, TX
15. Stanberry J*, Szlamkowicz I, Shultz L, **Anagnostopoulos V**. Oxidative Dissolution of TcO₂ by Manganese Oxides Under Anoxic Conditions. Waste Management Symposia, 2021, Phoenix, AZ
16. Szlamkowicz I*, Longen L., Grabe A., **Anagnostopoulos V**. Geochemical Controls of Mn(III) Minerals Over Iodide's Environmental Fate. 2020 Clay and Minerals Society International Meeting, Richland, WA
17. Stanberry J*, Szlamkowicz I, Purdy LR, **Anagnostopoulos V**. Oxidative Dissolution of TcO₂ by synthetic birnessite under anaerobic conditions. 2020 Clay and Minerals Society International Meeting, Richland, WA
18. Stanberry J, Szlamkowicz I., Magno D., **Anagnostopoulos V*** TcO₂ oxidative dissolution by manganite and bixbyite under anaerobic conditions. 2020 Clay and Minerals Society International Meeting, Richland, WA
19. Stanberry J*, Szlamkowicz I., Magno D., **Anagnostopoulos V**. Geochemical controls of bixbyite and manganite on the mobility of Tc-99: TcO₂ oxidative dissolution under anoxic conditions. Fall 2020 American Chemical Society Meeting, San Diego, CA
20. Stanberry J*, Szlamkowicz I, Purdy LR, **Anagnostopoulos V**. Role of Mn(III,IV) Oxide on the Environmental Stability of Tc-99 Insoluble Phases: Oxidative Dissolution of TcO₂ at Anoxic Conditions . Fall 2020 American Chemical Society Meeting, San Diego, CA
21. **Anagnostopoulos V***, Symeopoulos B. Alkali treated malt spent rootlets for the removal of U(VI) from acidic aqueous solutions. 2019 European Geochemistry Union Meeting, Vienna, Austria

22. Stanberry J, Anda A, Gudavalli RKPG, Qafoku N, Anagnostopoulos V*. Dissolution studies of technetium sulfide under oxidizing and reducing conditions: Effect of pH and ionic strength. 2019 Spring American Chemical Society Meeting, Orlando, FL
23. Stanberry J, Anda A, Gudavalli RKPG, Qafoku N, Anagnostopoulos V* Technetium sulfide as a potential immobilization form for Tc-99 in the environment: stability and dissolution studies. 2018 Fall American Chemical Society Meeting, Boston, MA
24. Stanberry J*, Anagnostopoulos V. Technetium sulfide as a potential immobilization form for Tc-99 in the environment: stability and dissolution studies under oxidizing conditions. 2019 Waste Management Symposium, Phoenix, AZ

Under Previous Affiliations (selected)

1. Govor E, Twomey M, Tosin J, Anagnostopoulos V*, Morozov AN, Mebel A, Raptis RG, Kavallieratos K, Tripodal Sulfonamide and Pyrazolyl Ligands for Extraction and Sensing of Lanthanides and Actinides. Global 2017 International Nuclear Fuel Cycle Conference, Seoul, Korea
2. Govor E, Anagnostopoulos V, Morozov AN, Mebel A, Raptis RG, Kavallieratos K. Trivalent f-metal coordination and extraction by tripodal sulfonamide ligands and analogs. 2017 Fall American Chemical Society Meeting, San Francisco, CA
3. Hernandez A, Wipfli C, Anagnostopoulos V, Katsenovich Y, Denham M. Sodium silicate treatment for the attenuation of U(VI) in acidic groundwater plumes. 2016 Fall American Chemical Society Meeting, Philadelphia, PA
4. Anagnostopoulos V, Lagos L, Triay I. Training tomorrow chemists at Florida International University, the largest Hispanic serving institution. 2016 Fall American Chemical Society Meeting, Philadelphia, PA
5. Herrera S, Anagnostopoulos V, Katsenovich Y, Lee B, Lee MH. The effect of bicarbonate on autunite dissolution in the presence of *Shewanella oneidensis* under oxygen restricted conditions. 2016 Waste Management Symposium, Phoenix, AZ
6. Anagnostopoulos V. Young Scientists joining the Nuclear Workforce, 2016 Waste Management Symposium, Phoenix, AZ

Conference Symposia Organizer

Under UCF Affiliation

1. **Young Investigators in Nuclear Chemistry**
Spring 2023 American Chemical Society Meeting, Indianapolis, IN
2. **Young Investigators in Nuclear Chemistry**
Fall 2022 American Chemical Society Meeting, Chicago, IL
3. **General Topics in Nuclear Chemistry**
Spring 2022 American Chemical Society Spring Meeting, San Diego, CA
4. **Advancements in Environmental Chemistry**
2019 Southeast Regional Meeting of American Chemical Society Meeting, Savannah, GA

5. Novel Sorbent Materials for Environmental Remediation

European Geochemistry Union, Vienna, Austria

Contracts and Grants

Grants Awarded

1. Title: Fingerprinting Dirty Bombs: Transition Metals as Unique Indicators in Radiological Dispersive Device Material and in Radiological Debris

Type: R&D

Agency: Department of Homeland Security

Funds: \$700,000

Role: PI

Credit: 100%

Performance Period: 09/15/2024 – 09/14/2027

2. Title: Consortium for Nuclear Forensics

Type: R&D

Agency: National Nuclear Security Administration – Department of Energy

Funds: \$1,559,999.80

Role: PI

Credit: 50%

Performance Period: 07/1/2023 – 06/30/2028

3. Title: Fellowships in Support of the Radiochemistry Program at the University of Central Florida

Type: R&D

Agency: U.S Nuclear Regulatory Commission

Funds: \$397,943

Role: PI

Credit: 100%

Performance Period: 03/31/2023 – 03/30/2027

4. Title: Faculty Development for Radiochemistry Program at the University of Central Florida

Type: Early Career

Agency: US Nuclear Regulatory Commission

Funds: \$610,000

Role: PI

Credit: 100%

Performance Period: 07/22/2019 – 07/21/2023

5. Title: Technetium Sulfide as a Potential Immobilization Form for Tc-99 in the Environment: Stability and Dissolution Studies

Type: R&D

Agency: Department of Energy (through Savannah River Nuclear Solutions)

Funds: \$47,104

Role: PI

Credit: 100%

Performance Period: 05/1/2018 – 12/31/2018

6. Title: LC-MS-MS Instrumentation for Department of Chemistry

Type: Instrumentation

Agency: Internal

Funds: \$400,000

Role: co-PI (PI: Dr. Andres Campiglia)

Credit: N/A

Performance Period: N/A

7. Title: Radiochemistry Program at the University of Central Florida

Type: Program Accreditation

Agency: Department of Energy

Funds: N/A

Role: PI

Credit: N/A

Performance Period: N/A

This specific grant is an official recognition of the Radiochemistry Program at UCF by the Department of Energy as a nuclear program, which allows the university from now on to apply for specific grants and chemistry graduate students in radiochemistry to apply for specific programs and fellowships not available to them before.

TEACHING ACTIVITY

Courses

- Chemistry Fundamentals II, CHM2046 (Fall 2018, Spring 2022, Spring 2023, Fall 2023)
- Chemistry Fundamentals II, Honors College, CHM2046C (Spring 2019, 2020 & 2021)
- Radiochemistry, CHS4100 & CHS5110 (Fall 2019, Fall 2020, Fall 2022)
- Chemistry Fundamentals I, CHM2045 (Fall 2021)
- Independent Research, CHM4912 (2018-present, every semester)

Teaching Experience before UCF

- Advanced Radiochemistry (CHE370) and Advanced Radiochemistry Lab (CHE371)
Florida Memorial University (2017)
- Advanced Radiochemistry CHM6111
Florida International University (2017)

Theses and Dissertations Advisor

Graduate Students

[Ilana Szlamkowicz](#)

Ph.D in Chemistry, Joined Spring 2021

Project title: Redox reactive minerals geochemical controls over the fate of iodine in the natural environment

[Zachary Murphy](#)

Ph.D in Chemistry, Joined Fall 2021

Project title: Stability of U(IV) and U(VI) phases in the presence of ligands under repository conditions

[Lucinda Hunley](#)

Ph.D in Chemistry, Joined Spring 2023

Project title: Stability of U(IV) and U(VI) phases in the presence of ligands under repository conditions

[Austin Burns](#)

Ph.D in Chemistry, Joined Fall 2023

Project title: Synthesis and characterization of Surrogate Nuclear Explosion Debris

[David Rai II](#)

Ph.D in Chemistry, Joined Fall 2023

Project title: Aging of surrogate nuclear explosion debris and impact on radionuclide proliferation

[Zachary Ronchetti](#)

Ph.D in Chemistry, Joined Fall 2023

Project title: Synthesis of surrogate nuclear explosion debris using low temperature and plasma vitrification

[Joseph Lee](#)

Ph.D in Chemistry, Joined Fall 2023

Project title: Complexation of actinide with siderophores and natural aromatic ligands

Former Graduate Students & Postdoctoral Scholars

[Jordan Stanberry](#)

Ph.D in Chemistry, Graduated Fall 2023

Project title: Oxidative dissolution of TcO_2 by redox reactive manganese minerals and Mn(III)-L aqueous complexes

[Dr. Mismel Ruiz García](#)

Postdoctoral Scholar 2020-2022

Current Position: Chief Analytical Chemist at Eurofins Scientific

[Morgan Snyder](#)

M.Sc. in Chemistry, Joined Fall 2019 – Graduated Fall 2020 (Thesis Defense: 11/18/2020)

Project title: Sorption of U(VI) on manganese oxides in the presence of siderophore desferrioxamine-B

Current Position: U.S. Air Force

Undergraduate Students

[Skyler Moe](#), B.Sc. in Chemistry, Spring 2023 – present

[Cassandra Munoz](#), B.Sc. in Chemistry, Spring 2023 – present

[Caleb Johnson](#), B.Sc. in Chemistry, Spring 2023 – present

[Veronica Lara](#), B.Sc. in Chemistry, Spring 2023 – present

[Wifredo Rivera Rodriguez](#), B.Sc. in Chemistry, Spring 2023 – present

Undergraduate Students (Former)

[Anna Nguyen](#), B.Sc. in Chemistry, Fall 2022 – present

[Giovanna Ballerini Ribeiro Gomes](#), B.Sc. in Chemistry, Fall 2021-present

[David Rai II](#), B.Sc. in Chemistry, Fall 2023

[Austin Carroll](#), B.Sc. in Chemistry, Fall 2021-present

[Mark Richards](#), B.Sc. in Chemistry, Fall 2021-present

[Zachary Ronchetti](#), B.Sc. in Chemistry, 2023

[Thomas Carroll](#), B.Sc. in Chemistry, Fall 2021-present

[Rachel Cohen](#), B.Sc. in Chemistry, Fall 2021-present

[Lucinda Hunley](#), B.Sc. in Chemistry, Spring 2022-Fall 2022

[Kyle Morgan](#), B.Sc. in Chemistry, Summer 2021-Spring 2022

[Ian Russell](#), B.Sc. in Chemistry, Fall 2021- Spring 2022

[Keishla Roman Vazquez](#), B.Sc. in Chemistry, Fall 2021-Spring 2022

[Luke Longen](#), B.Sc. in Chemistry, Fall 2020-Fall 2021

[Andrew Fentress](#), B.Sc. in Chemistry, Fall 2020-Fall 2021

[Steven Latta](#), B.Sc. in Health Sciences, Spring 2019-Summer 2020

[Laure Rose Purdy](#), B.Sc. in Chemistry, Fall 2019-Summer 2020

[David Magno](#), B.Sc. in Chemistry, Fall 2019-Fall 2020

[Andrew Grabe](#), B.Sc. in Chemistry, Spring 2019-Fall 2020

[Aljanae Cadet](#), B.Sc. in Health Sciences, Fall 2018 – Summer 2019

[Ji Chang](#), B.Sc. in Health Sciences, Fall 2018 – Summer 2019

[Djordje Jagodic](#), B.Sc. in Health Sciences, Spring 2019 – Fall 2019

[Jordan Stanberry](#), B.Sc. in Chemistry, Summer 2018 – Summer 2019

[Ilana Szlamkowicz](#), B.Sc. in Chemistry, Spring 2019 – Fall 2020

Student Awards under my Mentorship

- [Ilana Szlamkowicz](#) – 2024 American Chemical Society Award for Graduate Studies in Environmental Chemistry
- [Ilana Szlamkowicz](#) – 2024 National Award in the “Innovations in Nuclear Technology R&D Awards” by the U.S. Department of Energy
- [Ilana Szlamkowicz](#) – 2023 National Award in the “Innovations in Nuclear Technology R&D Awards” by the U.S. Department of Energy
- [David Rai II](#) – 2023 Waste Management Symposium Travel Award
- [Jordan Stanberry](#) – 2022, 2nd National Award in the “Innovations in Nuclear Technology R&D Awards” by the U.S. Department of Energy
- [Jordan Stanberry](#) – 2021 American Chemical Society Award for Graduate Studies in Environmental Chemistry
- [Ilana Szlamkowicz](#) – 2021 American Chemical Society Award for Undergraduate Students in Environmental Chemistry
- [Jordan Stanberry](#) – 2020 Clay and Minerals Society Student Travel Award
- [Jordan Stanberry](#) – 2019 American Chemical Society Award for Undergraduate Students in Environmental Chemistry
- [Jordan Stanberry](#) – 2019 Waste Management Symposium Student Travel Award

Student Prestigious Fellowships & Internships

- [Joseph Lee](#) - Department of Defense SMART Scholarship
- [Zachary Murphy](#) – National Nuclear Security Agency PATH Scholarship
- [David Rai II](#) – 2023 GEM National Fellowship
- [Ilana Szlamkowicz](#) – National Nuclear Security Administration – DOE Fellowship, Summer 2023 & Summer 2024, Lawrence Livermore National Laboratory (CA)
- [Zachary Murphy](#) – National Nuclear Security Administration – DOE Fellowship, Summer 2023, Lawrence Livermore National Laboratory (CA)
- [David Rai II](#) – Department of Energy Student Undergraduate Laboratory Internship (SULI), Summer 2023, Oak Ridge National Laboratory (TN)
- [Jordan Stanberry](#) – National Nuclear Security Administration – DOE Fellowship, Summer 2022, Lawrence Livermore National Laboratory (CA)
- [Ian Russell](#) - Department of Energy Student Undergraduate Laboratory Internship (SULI), Summer 2022, Oak Ridge National Laboratory (TN)

- [Kyle Morgan](#) - Department of Energy Student Undergraduate Laboratory Internship (SULI), Summer 2022, Oak Ridge National Laboratory (TN)
- [Travis Hager](#) - Department of Energy Student Undergraduate Laboratory Internship (SULI), Summer 2021, Oak Ridge National Laboratory (TN)

SERVICE

Service to the Department of Chemistry

- Department of Chemistry Chair Selection Committee, 2022
- Graduate Admissions Committee (member, 2018-2021)
- Facilities & Safety Committee (member, 2018-present)
- Marketing & Communications Committee (chair, 2020-present)
- Chair's Advisory board, (member, 2021-present)
- External Advisory Board, (member, 2021-present)
- Graduate Student Recruitment
 - Represented the department in the Graduate Fair at the 2019 Fall American Chemical Society Meeting (San Diego, CA) and at the 2020 ACS Puerto Rico Section Graduate Fair
 - Presented UCF Chemistry Graduate Program in an invited seminar at Florida Gulf Coast University
- Member of the Organizing Committee of the UCF Chemistry Open House (2019)
- Hosted 11 invited speakers as part of the Department of Chemistry Invited Speaker Series.

Dissertation Committee Member (other research groups than mine)

1. Nicholas Young

PhD Candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Melanie Beazley

2. David Fairchild

PhD Candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Fernando Uribe-Romo

3. Anthony Santana

PhD Candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Andres Campiglia

4. Ace Tanner

PhD Candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Michael Hampton

5. Kristen Livingston

PhD Candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Matthieu Baudelet

6. Edwin Davidson

PhD Candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Swadeshmukul Santra

7. John Lucchi

PhD candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Matthieu Baudelet

8. Stephani Nauth

PhD candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Matthieu Baudelet

9. Theodoros Panagiotakopoulos

PhD candidate, UCF Department of Physics

Committee Member - Advisor: Dr. Talat Rahman

10. Banu Sharma

PhD candidate, UCF Department of Chemistry

Committee Member - Advisor: Dr. Swadeshmukul Santra

Service to the College and the University

- 2024 Associate Dean of Research election committee
- 2022 Member of the Research Incentive Award (RIA) committee
- Radiation Safety Committee (2019-present) & 2020 Radiation Safety Officer hiring committee
- 2019 & 2022 University Safety Champion Award
- Invited Seminar Speaker Office of Research “Department of Energy Workshop” (2019, 2020 and 2021)
- UCF Office of Research internal grant reviewer (2021)

Service to the Profession

Manuscript Reviewer

ACS Earth and Space Chemistry
Journal of Environmental Management
Journal of Environmental Radioactivity
Environmental Science and Pollution Research
Langmuir

Environment International
Journal of Molecular Liquids
Journal of Cleaner Production
Journal of Nuclear Materials
Environmental Science & Technology

Grant Reviewer

- Served as subject matter expert proposal reviewer for
 - Nuclear Regulatory Commission Minority Serving Institution Graduate Fellowships Program (2024)
 - DOE Office of Environmental Management Program (2024)
 - DOE Office of Nuclear Energy Program (2018-2020, 2022-2024)
 - DOE Office of Technology (2020-2021)
 - DOE Small Business Innovation Research Program (2022-2024)
 - DOE Early Career Isotope Program Panel (2023)
- Reviewed facilities user proposals for Stanford Synchrotron Radiation Lightsource (SSRL – 2022)

Subject Matter Expert – Project Evaluator

- National Nuclear Security Agency (NNSA) invited subject matter expert to evaluate 2 projects:
 1. Single particle ICP-MS analysis (Oak Ridge National Lab)
 2. Protein based actinide separation (Lawrence Livermore National Lab)